

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1-2. (cancelled)

3. (currently amended) A method for changing over to a different frequency ~~in accordance with claim 2~~ at a cellular phone system, in which a mobile communication terminal, a first base station and a second base station, and a base station controlling apparatus are provided, wherein:

said first base station communicates with said mobile communication terminal by setting a channel using a first frequency, and

said second base station communicates with said mobile communication terminal by setting a channel using a second frequency, and

said mobile communication terminal measures first reception quality in said first frequency during the communication with said first base station by setting a channel, and also

said mobile communication terminal measures second reception quality in said second frequency corresponding to said measured first reception quality during the communication with said first base station by setting a channel, and

said mobile communication terminal is controlled to communicate with said second base station by changing over the channel from said first base station to said second base station corresponding to said first and second reception quality, wherein:

said method for changing over to a different frequency, comprising the step of:

controlling to change the condition measuring said second reception quality corresponding to the moving velocity of said mobile communication terminal,

~~further comprising the steps of:~~

changing a second threshold value and a third threshold value corresponding to said moving velocity of said mobile communication terminal, when said condition measuring said second reception quality is controlled to change; and

measuring said second reception quality when said first reception quality is less than said changed second threshold value.

4. (currently amended) A method for changing over to a different frequency ~~in accordance with claim 1~~ at a cellular phone system, in which a mobile communication terminal, a first base station and a second base station, and a base station controlling apparatus are provided, wherein:

said first base station communicates with said mobile communication terminal by setting a channel using a first frequency, and

said second base station communicates with said mobile communication terminal by setting a channel using a second frequency, and

said mobile communication terminal measures first reception quality in said first frequency and second reception quality in said second frequency during the communication with said first base station by setting a channel, and

said mobile communication terminal is controlled to communicate with said second base station by changing over the channel from said first base station to said second base station, when the difference between said second reception quality and said first reception quality exceeds a first threshold value, wherein:

said method for changing over to a different frequency, comprising the step of:

controlling to change said first threshold value corresponding to the moving velocity of said mobile communication terminal, wherein:

said first base station transmits a first broadcast channel and said second base station transmits a second broadcast channel, and

said first reception quality is reception quality in said first broadcast channel and said second reception quality is reception quality in said second broadcast channel.

5. (currently amended) A method for changing over to a different frequency ~~in accordance with claim 1~~ at a cellular phone system, in which a mobile communication terminal, a first base station and a second base station, and a base station controlling apparatus are provided, wherein:

said first base station communicates with said mobile communication terminal by setting a channel using a first frequency, and

said second base station communicates with said mobile communication terminal by setting a channel using a second frequency, and

said mobile communication terminal measures first reception quality in said first frequency and second reception quality in said second frequency during the communication with said first base station by setting a channel, and

said mobile communication terminal is controlled to communicate with said second base station by changing over the channel from said first base station to said second base station, when the difference between said second reception quality and said first reception quality exceeds a first threshold value, wherein:

said method for changing over to a different frequency,  
comprising the step of:

controlling to change said first threshold value  
corresponding to the moving velocity of said mobile communication  
terminal, ~~further comprising the steps of:~~

making a data vacant time in which data are not  
transmitted by compressing transmitting data in the time by said  
first base station; and

measuring said second reception quality in said data  
vacant time by said mobile communication terminal.

6. (currently amended) A method for changing over to a  
different frequency ~~in accordance with claim 1~~ at a cellular phone  
system, in which a mobile communication terminal, a first base  
station and a second base station, and a base station controlling  
apparatus are provided, wherein:

said first base station communicates with said mobile  
communication terminal by setting a channel using a first  
frequency, and

said second base station communicates with said mobile  
communication terminal by setting a channel using a second  
frequency, and

said mobile communication terminal measures first  
reception quality in said first frequency and second reception

quality in said second frequency during the communication with  
said first base station by setting a channel, and

said mobile communication terminal is controlled to  
communicate with said second base station by changing over the  
channel from said first base station to said second base station,  
when the difference between said second reception quality and said  
first reception quality exceeds a first threshold value, wherein:

said method for changing over to a different frequency,  
comprising the step of:

controlling to change said first threshold value  
corresponding to the moving velocity of said mobile communication  
terminal, wherein:

said controlling to change said first threshold value  
corresponding to the moving velocity of said mobile communication  
terminal is executed at said base station controlling apparatus or  
said mobile communication terminal.

7. (currently amended) A method for changing over to a  
different frequency in accordance with claim [[2]] 3, wherein:

said controlling to change said condition measuring said  
second reception quality corresponding to the moving velocity of  
said mobile communication terminal is executed at said base  
station controlling apparatus or said mobile communication  
terminal.

8-9. (cancelled)

10. (currently amended) A cellular phone system in accordance with claim 9 which a mobile communication terminal, a first base station and a second base station, and a base station controlling apparatus are provided, wherein:

said first base station communicates with said mobile communication terminal by setting a channel using a first frequency, and

said second base station communicates with said mobile communication terminal by setting a channel using a second frequency, and

said mobile communication terminal measures first reception quality in said first frequency during the communication with said first base station by setting a channel, and also

said mobile communication terminal measures second reception quality in said second frequency corresponding to said measured first reception quality during the communication with said first base station by setting a channel, and

said mobile communication terminal is controlled to communicate with said second base station by changing over the channel from said first base station to said second base station corresponding to said first and second reception quality, wherein:

said cellular phone system, comprising:

a second controlling means for controlling to change the condition measuring said second reception quality corresponding to the moving velocity of said mobile communication terminal,  
wherein:

said second controlling means, comprising:

a changing means for changing a second threshold value and a third threshold value corresponding to said moving velocity of said mobile communication terminal; and

a measuring means for measuring said second reception quality when said first reception quality is less than said changed second threshold value.

11. (currently amended) A cellular phone system in ~~accordance with claim 8~~ in which a mobile communication terminal, a first base station and a second base station, and a base station controlling apparatus are provided, wherein:

said first base station communicates with said mobile communication terminal by setting a channel using a first frequency, and

said second base station communicates with said mobile communication terminal by setting a channel using a second frequency, and

said mobile communication terminal measures first reception quality in said first frequency and second reception



quality in said second frequency during the communication with  
said first base station by setting a channel, and

said mobile communication terminal is controlled to  
communicate with said second base station by changing over the  
channel from said first base station to said second base station,  
when the difference between said second reception quality and said  
first reception quality exceeds a first threshold value, wherein:

said cellular phone system, comprising:

a first controlling means for controlling to change  
said first threshold value corresponding to the moving velocity  
of said mobile communication terminal, wherein:

said first base station transmits a first broadcast  
channel and said second base station transmits a second broadcast  
channel, and

said first reception quality is reception quality in  
said first broadcast channel and said second reception quality is  
reception quality in said second broadcast channel.

12. (currently amended) A cellular phone system in  
~~accordance with claim 8~~ which a mobile communication terminal, a  
first base station and a second base station, and a base station  
controlling apparatus are provided, wherein:

said first base station communicates with said mobile  
communication terminal by setting a channel using a first  
frequency, and

said second base station communicates with said mobile communication terminal by setting a channel using a second frequency, and

said mobile communication terminal measures first reception quality in said first frequency and second reception quality in said second frequency during the communication with said first base station by setting a channel, and

said mobile communication terminal is controlled to communicate with said second base station by changing over the channel from said first base station to said second base station, when the difference between said second reception quality and said first reception quality exceeds a first threshold value, wherein:

said cellular phone system, comprising:

a first controlling means for controlling to change said first threshold value corresponding to the moving velocity of said mobile communication terminal, wherein:

said first base station, comprising:

a data vacant time making means for making a data vacant time in which data are not transmitted by compressing transmitting data in the time, and

said mobile communication terminal, comprising:

a measuring means for measuring said second reception quality in said data vacant time.

13. (currently amended) A cellular phone system in accordance with claim 8 which a mobile communication terminal, a first base station and a second base station, and a base station controlling apparatus are provided, wherein:

said first base station communicates with said mobile communication terminal by setting a channel using a first frequency, and

said second base station communicates with said mobile communication terminal by setting a channel using a second frequency, and

said mobile communication terminal measures first reception quality in said first frequency and second reception quality in said second frequency during the communication with said first base station by setting a channel, and

said mobile communication terminal is controlled to communicate with said second base station by changing over the channel from said first base station to said second base station, when the difference between said second reception quality and said first reception quality exceeds a first threshold value, wherein:

said cellular phone system, comprising:

a first controlling means for controlling to change said first threshold value corresponding to the moving velocity of said mobile communication terminal, wherein:

said first controlling means is provided in said base station controlling apparatus or said mobile communication terminal.

14. (currently amended) A cellular phone system in accordance with claim [[9]] 10, wherein:

said second controlling means is provided in said base station controlling apparatus or said mobile communication terminal.

15-20. (cancelled)